

## **COASTAL RESOURCES MANAGEMENT COUNCIL ASSENT CHECK LIST**

Please provide the following information when submitting an State Assent Application for:  
Private Residential Recreational Boating Facilities (Docks/Piers)

### **Plans for Private Residential Recreational Boating Facilities**

- ☒ Plan size - must be 8 1/2" x 11".
- ☒ Number of Copies - must provide four.
- ☒ Title Block - each sheet must have a title block indicating title of plan, owner's name, street, town, design.
- ☒ Plan preparation must be by a **registered professional engineer**, registered in the State of Rhode Island and have a professional stamp.

### **Specifications Information to Include with the Plans for a Private Residential Recreational Boating Facility - GENERAL**

- ☐ Indicate the RICRMP Water Use Type
- ☒ Provide information on the use of the proposed facility.
  - ☐ Provide the number of Boats/Vessels to be berthed at the facility.
  - ☐ Provide length of the vessel(s).
  - ☐ Provide draft of the vessel(s).
  - ☐ Which, if any, of the vessels will have marine toilets (MSD's).
  - ☐ Indicate whether or not the facility will be used to unload catches by commercial fishing vessels.
  - ☐ Indicate the location of the private residential dwelling to be served by the proposed facility. Is the dwelling located adjacent to the proposed boating facility.
  - ☐ Provide the proposed winter season storage location for all floats. Indicate the method of transport to the storage location.

### **Specifications Information to Include on Plans - STRUCTURAL**

- ☒ Design live load (pedestrian) for the pier.
- ☒ Design live load (pedestrian) for the float(s).
- ☒ What size of vessel is the facility designed for. Is the facility designed to berth the vessel(s) in heavy weather? If so, where will the vessel(s) be located.
- ☒ Pilings
  - ☐ depth of embedment
  - ☐ method of embedment
  - ☐ tip diameter
  - ☐ diameter
  - ☐ type and amount of preservative treatment
  - ☐ statement by design engineer regarding the ability to embed the pilings.
- ☒ Pile Caps
  - ☐ Dimensions

- ☐ Type and amount of preservative treatment
- ☒ Stringers
  - ☐ Dimension
  - ☐ Type and amount of preservative treatment
- ☒ Decking
  - ☐ Dimension
  - ☐ Type and amount of preservative
- ☒ Method of treatment for structural hardware (such as hot-dip galvanized).
- ☒ Provide details of any and all utilities proposed for the facility.
  - ☐ Water service
  - ☐ electricity
  - ☐ lighting
  - ☐ electric service
- ☒ Provide necessary details and specifications regarding construction access and construction methods.
  - ☐ Show materials stockpiling areas, staging areas.
  - ☐ Information on water access to the site. Indicate low bridges or similar obstacles which may limit barge or pile driver access to the site.
  - ☐ Provide specific details of methods to be used in order to minimize damage to coastal features (c buffer zones).

### Site Plans for Private Residential Recreational Boating Facilities

- ☐ General Plan Requirements

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- ☒ Site Plan Scale: Use 1" = 10', 1" = 20', 1" = 30', or 1" = 40'
- ☒ Show the location of all coastal features and the location of the inland edges of the various coastal features are seawalls, coastal banks, coastal cliffs or bluffs, beaches, coastal/ contiguous wetland
- ☒ Locations of pertinent existing underground features such as: ISDS's, sanitary sewer lines, drain underground utilities, tanks, etc.
- ☒ Locations of pertinent surface features such as:
  - ☐ walls, seawalls, groins, jetties
  - ☐ piers, docks, boat ramps (locate these both on site and in vicinity - at least those on both abutting properties.
  - ☐ buildings
  - ☐ fences
  - ☐ driveways, parking areas
  - ☐ streams, drainage swales
  - ☐ edge of vegetated areas
- ☒ Mean High Water (MHW) line
- ☒ Mean Low Water (MLW) line
- ☐ Show any and all grade changes proposed:
  - ☐ existing and proposed elevation contours associated with upland access to the pier or any proposed dredging (see RICRMP 300.9).
  - ☐ indicate the reference datum plane
- ☒ Provide soundings along the length of the proposed facility as well as in the immediate vicinity. Sour

- low water (MLW). The plan must describe how the MLW datum was established.
- ☐ Show location of boat moorings, including swing area, or mooring areas.
- ☒ Show location of federal channel and/or anchorage area citing the authorized depth. If these are not proposed facility, but are present in the vicinity, provide distance from the proposal.
- ☐ RI State Harbor Lines (if present) locate or provide distance to, as described above.
- ☒ Indicate the proposed private residential recreational boating facility. Include the following:
  - ☐ fixed pier
  - ☐ float access ramp
  - ☐ float(s) (indicate dimensions)
  - ☐ tie-off pilings for floats and boat mooring
  - ☐ upland paths which access the facility
  - ☐ stairs/ramps which access the facility from the upland
  - ☐ any and all stairs, steps, pathways provided to maintain lateral access along the MHW line.
- ☒ Riparian boundary lines if these have been established by a court decision or by mutual agreement of C. If these are not present, CRMC staff or CRMC may, upon further review, request additional information on possible navigation impacts and/or littoral/riparian concerns.
- ☒ Show extensions of property lines and distances of the proposed facility from them. (Note - These are boundary lines.)
- ☐ Show locations of all large boulders and other potential hazards to navigation.
- ☐ If the waterway is relatively narrow (approximately less than 500'), provide the distance across the waterway.
- ☐ Show all pier/docks located across the waterway if these are within 200' of the proposed facility.
- ☐ If there are existing piers/docks on the site, indicate whether or not these will be removed.
- ☐ Show the location of the private residential dwelling to be served by this facility. If the distance is too great, indicate its location and distance away.
- ☐ Show any and all upland areas which have been designated by CRMC as natural buffer zones.
- ☐ Show stockpiling and materials storage areas, areas to be impacted with construction access.

### **Cross Section Plan Requirements for Private Residential Recreational Boating Facilities**

#### Lengthwise cross section -

- ☐ Follow general plan requirements \_\_\_\_\_
- ☐ Scale: Choose a scale which is present on a typical engineer's scale.
- ☐ Show elevation vs. distance along the entire length of the proposed facility (including any associated stairs/access structures) to the outermost part of the facility and tie-off pilings).
- ☐ Provide a bottom survey along the length of the proposed facility. Provide the following:
  - ☐ depths at MLW
  - ☐ Type of sediment at surface
  - ☐ Type of sediment (estimate or provide and cite best available information) within 10' below bottom
- ☐ Show the width of coastal/contiguous freshwater wetland to be crossed. Include:
  - ☐ Indicate the height of the wetland vegetation during the growing season.
  - ☐ The ground/bottom elevations of the wetland areas.
- ☒ Show the structural details of the proposed facility in lengthwise cross-section. Include the following:

- ☐ Pier bents (note the spacing)
  - ☐ Pilings, including those for pier, floats, tie-off pilings.
  - ☐ Pile-caps (pier bent caps)
  - ☐ Stringers
  - ☐ Decking (Note the spacing between deck boards)
  - ☐ Float details (include any and all anchoring details)
  - ☐ Indicate the overall length of the facility in terms of distance seaward of the upper edge of a beach or the face of a seawall.
  - ☐ Railings (if proposed)
  - ☐ Show the method of maintaining lateral shoreline access for the public below the MHW line.
- Show either:
- ☐ A 5' minimum clearance to the bottom of pier (measured to stringers) from at the MHW line, or:
  - ☐ stairs over the structure.

Width-wise Cross Section

- ☐ Follow General Plan Requirements \_\_\_\_\_  
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- ☐ Scale: Choose a scale which is present on a typical engineer's scale.
- ☒ Provide typical pier bent cross section showing:
  - ☐ pilings
  - ☐ diameter and tip diameter
  - ☐ embedment depth
  - ☐ pile caps
  - ☐ stringers
  - ☐ decking, width of pier
  - ☐ bracing
  - ☐ typical connection details
  - ☐ railings (if proposed)
- ☒ Float details
  - ☐ include method of encapsulation/protection of floatation billets
  - ☐ include any and all details of methods of anchoring
- ☒ Typical support detail for any and all upland access structures (stairs, etc.)
- ☒ Include full structural details and construction methods for any and all non-typical designs (such as crib supports, connections to rock, etc.)

Rev. 9/99